Technical Specifications

Smart-UPS[™] On-Line

230 V, 1 kVA to 20 kVA models





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Technical Data



Note: Unless otherwise noted, data contained in these technical specifications should be considered typical; actual performance may vary.

APC Smart-UPS On-Line Model List

Models with 230 V Output / 230 V Input

•	APC Smart-UPS RT 1000 VA RM 230 V	SURT1000RMXLI
•	APC Smart-UPS RT 1000 VA 230 V	SURT1000XLI
•	APC Smart-UPS RT 1000 VA 230 V – Marine	SURT1000XLIM
•	APC Smart-UPS RT 2000 VA RM 230 V	SURT2000RMXLI
•	APC Smart-UPS RT 2000 VA 230 V	SURT2000XLI
•	APC Smart-UPS RT 2200 VA 230 V – Marine	SURTD2200XLIM

APC Smart-UPS RT 3000 VA 230 V with Pre-installed Input/Output

Hardwire Kit (See Note below.) SURT3000XLI-ET APC Smart-UPS RT 3000 VA RM 230 V SURTD3000RMXLI APC Smart-UPS RT 3000 VA 230 V SURTD3000XLI APC Smart-UPS RT 3000 VA 230 V - Marine SURTD3000XLIM APC Smart-UPS RT 5000 VA RM 230 V SURTD5000RMXLI APC Smart-UPS RT 5000 VA 230 V SURTD5000XLI

APC Smart-UPS RT 5000 VA 230 V with Pre-installed Input/Output

Hardwire Kit (See Note below.) SURTD5000XLI-ET APC Smart-UPS RT 6000 VA RM 230 V SURT6000RMXLI APC Smart-UPS RT 6000 VA 230 V SURT6000XLI

APC Smart-UPS RT 6000 VA 230 V with Pre-installed Input/Output

Hardwire Kit (See Note below.) SURT6000XLI-ET APC Smart-UPS RT 6000 VA 230 V - Marine SURT6000XLIM APC Smart-UPS RT 8000 VA RM 230 V SURT8000RMXLI APC Smart-UPS RT 8000 VA 230 V SURT8000XLI APC Smart-UPS RT 10,000 VA RM 230 V SURT10000RMXLI SURT10000XLI



Note: The 3 models listed above with the Pre-installed Input/Output Hardwire Kit (SURT3000XLI-ET, SURTD5000XLI-ET, and SURT6000XLI-ET) are available only through the Electrical Channel.

Models with 230 V Output / 230 V, 400 V 3-Phase Input

APC Smart-UPS RT 15 kVA RM 230 V SURT15KRMXLI APC Smart-UPS RT 20 kVA RM 230 V SURT20KRMXLI

Input Power Factor

The input power factor is >.95.

Efficiency

Models with 230 V Output / 230 V Input

Model	SKU	Efficiency @ full load
APC Smart-UPS RT 1000 VA RM 230 V	SURT1000RMXLI	88.0%
APC Smart-UPS RT 1000 VA 230 V	SURT1000XLI	88.0%
APC Smart-UPS RT 1000 VA 230 V – Marine	SURT1000XLIM	88.0%
APC Smart-UPS RT 2000 VA RM 230 V	SURT2000RMXLI	90.0%
APC Smart-UPS RT 2000 VA 230 V	SURT2000XLI	90.0%
APC Smart-UPS RT 2200 VA 230 V – Marine	SURTD2200XLIM	92.0%
APC Smart-UPS RT 3000 VA 230 V with Pre-installed Input/Output Hardwire Kit	SURT3000XLI-ET	92.0%
APC Smart-UPS RT 3000 VA RM 230 V	SURTD3000RMXLI	92.0%
APC Smart-UPS RT 3000 VA 230 V	SURTD3000XLI	92.0%
APC Smart-UPS RT 3000 VA 230 V – Marine	SURTD3000XLIM	92.0%
APC Smart-UPS RT 5000 VA RM 230 V	SURTD5000RMXLI	92.0%
APC Smart-UPS RT 5000 VA 230 V	SURTD5000XLI	92.0%
APC Smart-UPS RT 5000 VA 230 V with Pre-installed Input/Output Hardwire Kit	SURTD5000XLI-ET	92.0%
APC Smart-UPS RT 6000 VA RM 230 V	SURT6000RMXLI	92.0%
APC Smart-UPS RT 6000 VA 230 V	SURT6000XLI	92.0%
APC Smart-UPS RT 6000 VA 230 V with Pre-installed Input/Output Hardwire Kit	SURT6000XLI-ET	92.0%
APC Smart-UPS RT 6000 VA 230 V – Marine	SURT6000XLIM	92.0%
APC Smart-UPS RT 8000 VA RM 230 V	SURT8000RMXLI	93.0%
APC Smart-UPS RT 8000 VA 230 V	SURT8000XLI	93.0%
APC Smart-UPS RT 10,000 VA RM 230 V	SURT10000RMXLI	92.0%
APC Smart-UPS RT 10,000 VA 230 V	SURT10000XLI	92.0%

Models with 230 V Output / 230 V, 400 V 3-Phase Input

Model	SKU	Efficiency @ full load
APC Smart-UPS RT 15 kVA RM 230 V	SURT15KRMXLI	94.0%
APC Smart-UPS RT 20 kVA RM 230 V	SURT20KRMXLI	94.0%

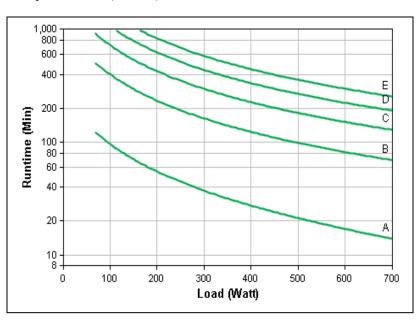
Batteries and Runtime

Battery Run-Times — APC Battery Solutions

Models with 230 V Output / 230 V Input

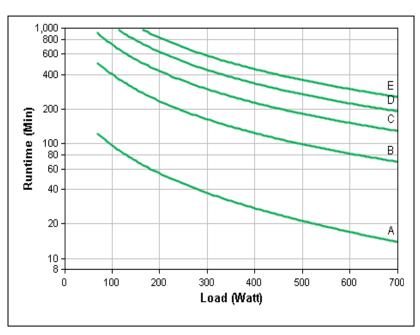
APC Smart-UPS RT 1000 VA RM 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT1000RMXLI
В	SURT1000RMXLI + (1) SURT48RMXLBP
С	SURT1000RMXLI + (2)SURT48RMXLBP
D	SURT1000RMXLI + (3)SURT48RMXLBP
Е	SURT1000RMXLI + (4)SURT48RMXLBP



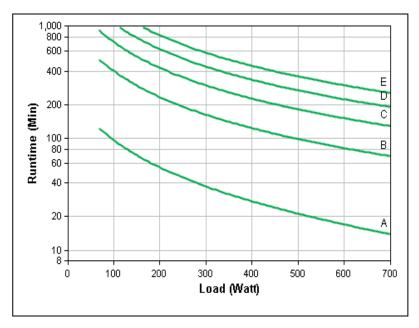
APC Smart-UPS RT 1000 VA 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT1000XLI
В	SURT1000XLI + (1)SURT48XLBP
С	SURT1000XLI + (2)SURT48XLBP
D	SURT1000XLI + (3)SURT48XLBP
Е	SURT1000XLI + (4)SURT48XLBP



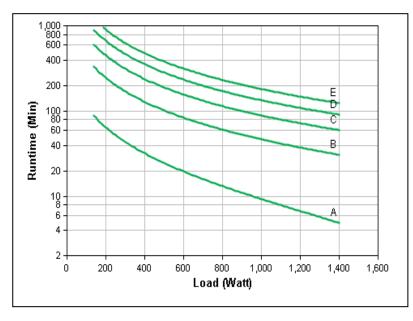
APC Smart-UPS RT 1000 VA 230 V - Marine, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT1000XLIM
В	SURT1000XLIM + (1)SURT48XLBP
С	SURT1000XLIM + (2)SURT48XLBP
D	SURT1000XLIM + (3)SURT48XLBP
Е	SURT1000XLIM + (4)SURT48XLB



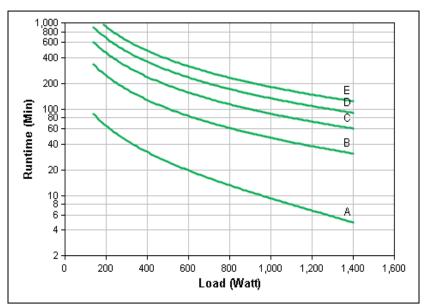
APC Smart-UPS RT 2000 VA RM 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT2000RMXLI
В	SURT2000RMXLI + (1)SURT48RMXLBP
С	SURT2000RMXLI + (2)SURT48RMXLBP
D	SURT2000RMXLI + (3)SURT48RMXLBP
Е	SURT2000RMXLI + (4)SURT48RMXLBP



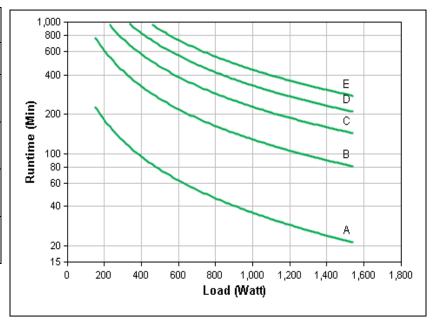
APC Smart-UPS RT 2000 VA 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT2000XLI
В	SURT2000XLI + (1)SURT48XLBP
С	SURT2000XLI + (2)SURT48XLBP
D	SURT2000XLI + (3)SURT48XLBP
Е	SURT2000XLI + (4)SURT48XLBP



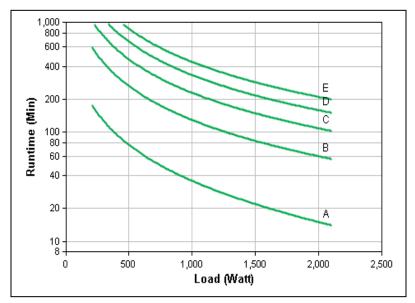
APC Smart-UPS RT 2200 VA 230 V - Marine, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURTD2200XLIM
В	SURTD2200XLIM + (1)SURT192XLBP
С	SURTD2200XLIM + (2)SURT192XLBP
D	SURTD2200XLIM + (3)SURT192XLBP
Е	SURTD2200XLIM + (4)SURT192XLBP



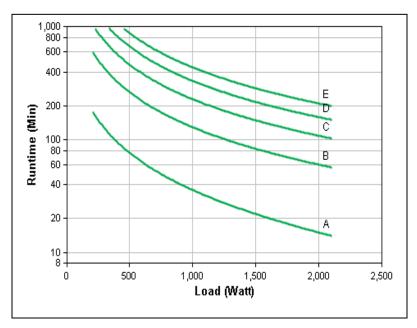
APC Smart-UPS RT 3000 VA, 230 V with Pre-installed Input/Output Hardwire Kit, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT3000XLI-ET
В	SURT3000XLI-ET + (1)SURT192XLBP
С	SURT3000XLI-ET + (2)SURT192XLBP
D	SURT3000XLI-ET + (3)SURT192XLBP
Е	SURT3000XLI-ET + (4)SURT192XLBP



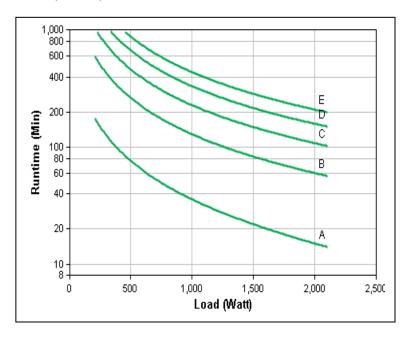
APC Smart-UPS RT 3000 VA RM 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURTD3000RMXLI
В	SURTD3000RMXLI + (1)SURT192RMXLBP
С	SURTD3000RMXLI + (2)SURT192RMXLBP
D	SURTD3000RMXLI + (3)SURT192RMXLBP
Е	SURTD3000RMXLI + (4)SURT192RMXLBP



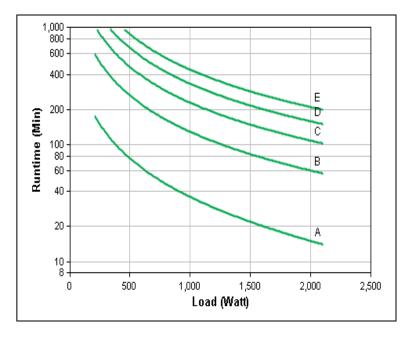
APC Smart-UPS RT 3000 VA 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURTD3000XLI
В	SURTD3000XLI + (1)SURT192XLBP
С	SURTD3000XLI + (2)SURT192XLBP
D	SURTD3000XLI + (3)SURT192XLBP
Е	SURTD3000XLI + (4)SURT192XLBP



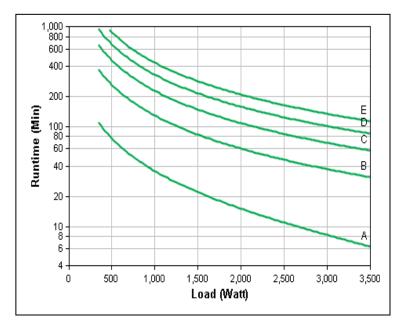
APC Smart-UPS RT 3000 VA 230 V – Marine, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURTD3000XLIM
В	SURTD3000XLIM + (1)SURT192XLBP
С	SURTD3000XLIM + (1)SURT192XLBP
D	SURTD3000XLIM + (3)SURT192XLBP
Е	SURTD3000XLIM + (4)SURT192XLBP



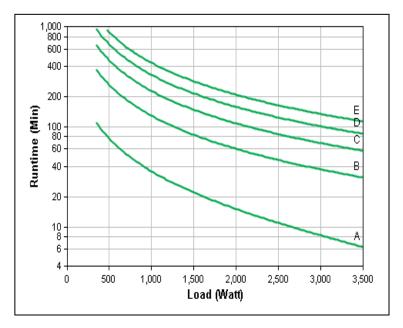
APC Smart-UPS RT 5000 VA RM 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURTD5000RMXLI
В	SURTD5000RMXLI + (1)SURT192RMXLBP
С	SURTD5000RMXLI + (2)SURT192RMXLBP
D	SURTD5000RMXLI + (3)SURT192RMXLBP
Е	SURTD5000RMXLI + (4)SURT192RMXLBP



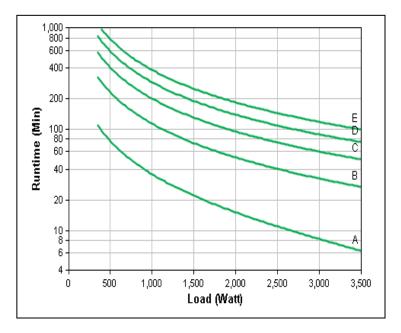
APC Smart-UPS RT 5000 VA 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURTD5000XLI
В	SURTD5000XLI + (1)SURT192XLBP
С	SURTD5000XLI + (2)SURT192XLBP
D	SURTD5000XLI + (3)SURT192XLBP
Е	SURTD5000XLI + (4)SURT192XLBP



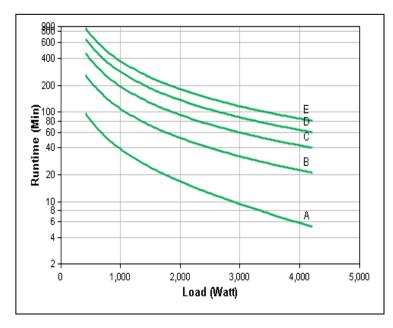
APC Smart-UPS RT 5000 VA 230 V with Pre-installed Input/Output Hardwire Kit, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURTD5000XLI-ET
В	SURTD5000XLI-ET + (1)SURT192XLBP
С	SURTD5000XLI-ET + (2)SURT192XLBP
D	SURTD5000XLI-ET + (3)SURT192XLBP
Е	SURTD5000XLI-ET + (4)SURT192XLBP



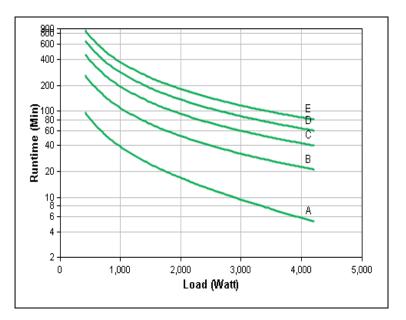
APC Smart-UPS RT 6000 VA RM 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT6000RMXLI
В	SURT6000RMXLI + (1)SURT192RMXLBP
С	SURT6000RMXLI + (2)SURT192RMXLBP
D	SURT6000RMXLI + (3)SURT192RMXLBP
Е	SURT6000RMXLI + (4)SURT192RMXLBP



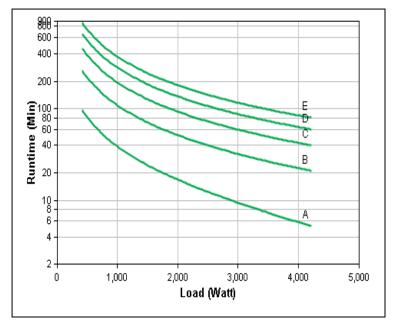
APC Smart-UPS RT 6000 VA 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT6000XLI
В	SURT6000XLI + (1)SURT192XLBP
С	SURT6000XLI + (2)SURT192XLBP
D	SURT6000XLI + (3)SURT192XLBP
Е	SURT6000XLI + (4)SURT192XLBP



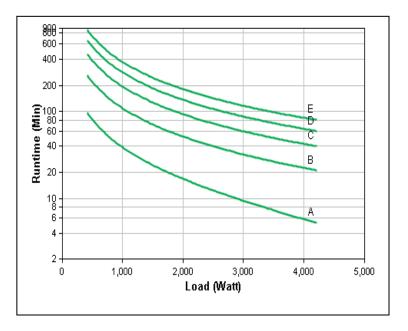
APC Smart-UPS RT 6000 VA, 230 V with Pre-installed Input/Output Hardwire Kit, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT6000XLI-ET
В	SURT6000XLI-ET + (1)SURT192XLBP
С	SURT6000XLI-ET + (2)SURT192XLBP
D	SURT6000XLI-ET + (3)SURT192XLBP
Е	SURT6000XLI-ET + (4)SURT192XLBP



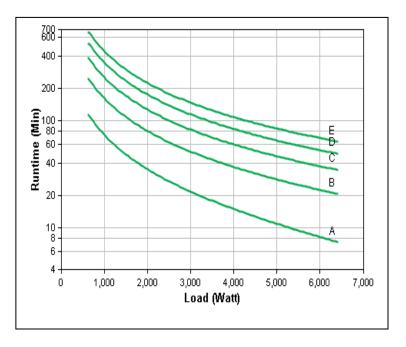
APC Smart-UPS RT 6000 VA 230 V – Marine, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT6000XLIM
В	SURT6000XLIM + (1)SURT192XLBP
С	SURT6000XLIM + (2)SURT192XLBP
D	SURT6000XLIM + (3)SURT192XLBP
Е	SURT6000XLIM + (4)SURT192XLBP



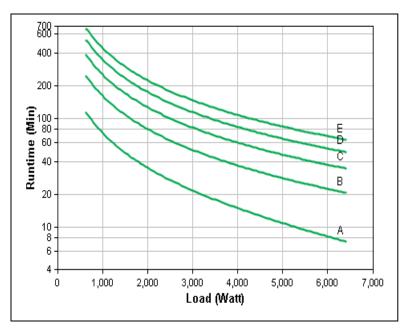
APC Smart-UPS RT 8000 VA RM 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT8000RMXLI
В	SURT8000RMXLI + (1)SURT192RMXLBP
С	SURT8000RMXLI + (2)SURT192RMXLBP
D	SURT8000RMXLI + (3)SURT192RMXLBP
Е	SURT8000RMXLI + (4)SURT192RMXLBP



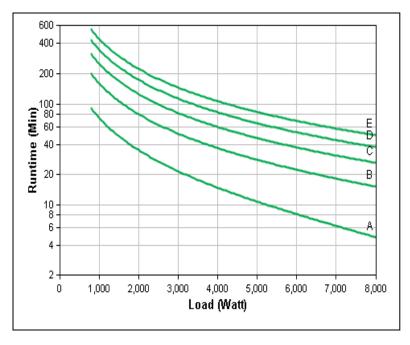
APC Smart-UPS RT 8000 VA 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT8000XLI
В	SURT8000XLI + (1)SURT192XLBP
С	SURT8000XLI + (2)SURT192XLBP
D	SURT8000XLI + (3)SURT192XLBP
Е	SURT8000XLI + (4)SURT192XLBP



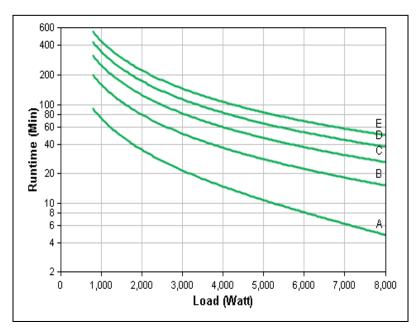
APC Smart-UPS RT 10,000 VA RM 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT10000RMXLI
В	SURT10000RMXLI + (1)SURT192RMXLBP
С	SURT10000RMXLI + (2)SURT192RMXLBP
D	SURT10000RMXLI + (3)SURT192RMXLBP
Е	SURT10000RMXLI + (4)SURT192RMXLBP



APC Smart-UPS RT 10,000 VA 230 V, Battery Run-Times (minutes):

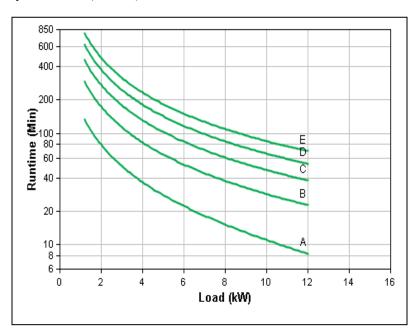
Curve	Part number(s)
A	SURT10000XLI
В	SURT10000XLI + (1)SURT192XLBP
С	SURT10000XLI + (2)SURT192XLBP
D	SURT10000XLI + (3)SURT192XLBP
Е	SURT10000XLI + (4)SURT192XLBP



Models with 230 V Output / 230 V, 400 V 3-Phase Input

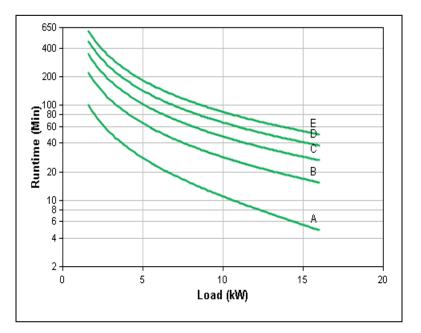
APC Smart-UPS RT 15 kVA RM 230V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT15KRMXLI
В	SURT15KRMXLI + (1)SURT192RMXLBP2
С	SURT15KRMXLI + (2)SURT192RMXLBP2
D	SURT15KRMXLI + (3)SURT192RMXLBP2
Е	SURT15KRMXLI + (4)SURT192RMXLBP2



APC Smart-UPS RT 20 kVA RM 230 V, Battery Run-Times (minutes):

Curve	Part number(s)
A	SURT20KRMXLI
В	SURT20KRMXLI + (1)SURT192RMXLBP2
С	SURT20KRMXLI + (2)SURT192RMXLBP2
D	SURT20KRMXLI + (3)SURT192RMXLBP2
Е	SURT20KRMXLI + (4)SURT192RMXLBP2



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Battery Specifications

UPS VA	1000	2000	2200	3000	5000	6000	8000	10,000	15,000	20,000
Туре	Mainte proof	Maintenance-free valve-regulated lead-acid battery with suspended electrolyte, leak-proof								
Replacement Battery	RBO	RBC31 RBC44								
Included Replacement Battery Cartridges		1 2						2 4		
Hot-Swappable						Yes				
User-Replaceable						Yes				
Battery Voltage, Vdc	4	8	192			+/- 192				
Battery Amp-Hour Capacity	9 A	.h					5.1 Ah			
Battery Charger Power	100	W	400 W			800 W			Variable, up to 3 kW	
Recharge Time 0% to 90%	3 hrs.	4 hrs.		2.5	hours		2.2 hou	rs	2.5 hours	i e
Automatic Self- Test		At turn-on, every 7 days, or every 14 days (user-selectable)								
Typical Battery Life		3 to 5 years								
Extended Runtime Option		Yes								

Battery Material Safety Data Sheet



Note: For Material Safety Data Sheet (MSDS), go to http://nam-en.apc.com/app/answers/detail/a_id/564/kw/msds.

Compliance

Model Categories

Models with 230 V Output / 230 V Input

Model	SKU	Regulatory Approvals		
APC Smart-UPS RT 1000 VA RM 230 V	SURT1000RMXLI			
APC Smart-UPS RT 1000 VA 230 V	SURT1000XLI			
APC Smart-UPS RT 2000 VA RM 230 V	SURT2000RMXLI	C-tick, CE, EN 50091-1, EN 50091-2, EN		
APC Smart-UPS RT 2000 VA 230 V	SURT2000XLI	55022 Class A, EN 60950, EN 61000-3-		
APC Smart-UPS RT 8000 VA RM 230 V	SURT8000RMXLI	GOST, VDE		
APC Smart-UPS RT 8000 VA 230 V	SURT8000XLI			
APC Smart-UPS RT 10,000 VA 230 V	SURT10000XLI			
APC Smart-UPS RT 1000 VA 230 V – Marine	SURT1000XLIM	CE, DNV ¹ , EN 50091-1, EN 50091-2, EN		
APC Smart-UPS RT 2200 VA 230 V – Marine	SURTD2200XLIM	55022 Class A, EN 60950, EN 61000-3-2		
APC Smart-UPS RT 3000 VA 230 V – Marine	SURTD3000XLIM			
APC Smart-UPS RT 3000 VA 230 V with Pre-installed Input/Output Hardwire Kit	SURT3000XLI-ET	BSMI, C-tick, CE, CSA, EN 50091-1, EN 50091-2, EN 55022 Class A, EN 60950,		
APC Smart-UPS RT 3000 VA 230 V	SURTD3000XLI	EN 61000-3-2, GOST, JEON, UL 1778, VCCI, VDE		
APC Smart-UPS RT 3000 VA RM 230 V	SURTD3000RMXLI			
APC Smart-UPS RT 5000 VA RM 230 V	SURTD5000RMXLI	C-tick, CE, EN 50091-1, EN 50091-2, EN 55022 Class A, EN 60950, EN 61000-3-2,		
APC Smart-UPS RT 5000 VA 230 V	SURTD5000XLI	GOST, UL 1778, VDE		
APC Smart-UPS RT 5000 VA 230 V with Pre-installed Input/Output Hardwire Kit	SURTD5000XLI-ET	C-tick, CE, EN 50091-1, EN 50091-2, EN 55022 Class A, EN 60950, EN 61000-3-2,		
APC Smart-UPS RT 6000 VA RM 230 V	SURT6000RMXLI	GOST, VDE		
APC Smart-UPS RT 6000 VA 230 V	SURT6000XLI	C-tick, CE, CSA, EN 50091-1, EN 50091-		
APC Smart-UPS RT 6000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT6000XLI-ET	2, EN 55022 Class A, EN 60950, EN 61000-3-2, GOST, UL Listed, VDE		
APC Smart-UPS RT 6000 VA 230 V – Marine	SURT6000XLIM	CE, DNV ² , EN 50091-1, EN 50091-2, EN 55022 Class A, EN 60950, EN 61000-3-2		
APC Smart-UPS RT 10,000 VA RM 230 V	SURT10000RMXLI	C-tick, CE, EN 50091-1, EN 50091-3		

¹ For compliance with DNV certification, the Smart-UPS On-Line marine models SURT1000XLIM, SURTD2200XLIM, and SURTD3000XLIM must be used with the APC 3000 VA Filter – Marine (SURT023M).

² For compliance with DNV certification, the Smart-UPS On-Line marine model SURTD6000XLIM must be used with the APC 6000 VA Filter – Marine (SURT024M).



Note: In addition to the preceding regulatory approvals, the APC Smart-UPS RT 3000 VA RM 230 V model (SURTD3000RMXLI) and the APC Smart-UPS RT 5000 VA RM 230 V model (SURTD5000RMXLI) have OSHPD pre-approval when used in any of the following APC NetShelterTM enclosures:

- APC NetShelter SX 42 U Enclosure (Commercial), AR3100SP1
- APC NetShelter VX Seismic 42 U Enclosure (Seismic), AR3100SP1
- APC NetShelter 2-Post Rack 45 U (Commercial), AR201

Models with 230 V, 400 V 3-Phase Output / 230 V, 400 V 3-Phase Input

Model	SKU	Regulatory Approvals
APC Smart-UPS RT 15 kVA RM 230 V	SURT15KRMXLI	BSMI, EN/IEC 62040-2,EN/IEC 62040-1-1,VDE
APC Smart-UPS RT 20 kVA RM 230 V	SURT20KRMXLI	BSMI,EN/IEC 62040-2, EN/IEC 62040-1-1,VDE

Facility Planning

Specifications for Installations

AC Input

			Input	Voltag	ge and (Connec	tions Specifi	cations		
UPS VA	1000	2000	2200	3000	5000	6000	8000	10,000	15,000	20,000
Input Frequency (Hz)		45-65 Hz (auto-sensing)								70 Hz sensing)
Nominal Input Voltage			23	0 V				230 V or 4	400 V	
Current Full Load (Nominal)	3.5 A	6.8 A	10.	5 A	16.5 A	20A	1PH: 40 A; 3PH: 15 A/phase when online, 40 A on L1 (in bypass only)	1PH: 50 A; 3PH: 18 A/phase when online, 50 A on L1 (in bypass only)	1:1: 83 A; 3:1: 83 A (in bypass only); 3:3: 28 A each phase	1:1: 105 A; 3:1: 105 A (in bypass only); 3:3: 35 A each phase
Bypass					Aut	omatic a	and Manual (Bu	ilt-In)		
Input Connections*		IEC-32	8S1363A 20 C20; E 7/EU1		Hard 3-w (1PH+	vire	Hard Wire 3-wire (1PH+N+G); Hard Wire 5-wire (3PH+ N+G)			
Wire Size (Typical)**		Not ap	plicable		6 m	nm²	10 mm ²	16 mm ²	1:1 and 3:1: 35 mm ² , 3:3: 6 mm ²	1:1 and 3:1: 50 mm ² , 3:3: 10 mm ²
External Input Circuit Breaker (Typical)***	10 A		16 A		32	A	1PH: 50 A/ 2-pole; 3PH: 50 A/4-pole	1PH: 63 A/ 2-pole; 3PH: 63 A/4-pole	1:1 and 3:1: 100 A each phase; 3:3: 35 A or 40 A each phase	1:1 and 3:1: 125 A each phase; 3:3: 50 A each phase

^{*} Wire connection "G" represents protective earth ground.

^{**} Recommended wire sizes are typical. Actual wire size must comply with local and national electrical codes.

Note: For units configured for 3-phase input and single-phase output operation, the entire load connected to the UPS will transfer to L1 and Neutral of the 3-phase input when the UPS is operating in bypass mode.

^{***} The notation 1:1 refers to a UPS configured for single-phase AC input and output, the notation 3:1 refers to a UPS configured for 3-phase input and single-phase output, and the notation 3:3 refers to a UPS configured for 3-phase input and 3-phase output.

AC Input (continued)

Model	SKU	Input Voltage Range for Main Operation ¹
APC Smart-UPS RT 1000 VA RM 230 V	SURT1000RMXLI	
APC Smart-UPS RT 1000 VA 230 V	SURT1000XLI	
APC Smart-UPS RT 2000 VA RM 230 V	SURT2000RMXLI	
APC Smart-UPS RT 2000 VA 230 V	SURT2000XLI	
APC Smart-UPS RT 3000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT3000XLI-ET	
APC Smart-UPS RT 3000 VA RM 230 V	SURTD3000RMXLI	160 V to 280 V
APC Smart-UPS RT 3000 VA	SURTD3000XLI	
APC Smart-UPS RT 5000 VA RM 230 V	SURTD5000RMXLI	
APC Smart-UPS RT 5000 VA 230 V	SURTD5000XLI	
APC Smart-UPS RT 5000 VA 230 V with Pre-installed Input/Output Hardwire Kit	SURTD5000XLI-ET	
APC Smart-UPS RT 6000 VA RM 230 V	SURT6000RMXLI	
APC Smart-UPS RT 6000 VA 230 V	SURT6000XLI	
APC Smart-UPS RT 6000 VA 230 V with Pre-installed Input/Output Hardwire Kit	SURT6000XLI-ET	
APC Smart-UPS RT 8000 VA RM 230 V	SURT8000RMXLI	
APC Smart-UPS RT 8000 VA 230 V	SURT8000XLI	
APC Smart-UPS RT 10,000 VA RM 230 V	SURT10000RMXLI	160 V to 280 V or
APC Smart-UPS RT 10,000 VA 230 V	SURT10000XLI	3-phase: 277 V to 485 V
APC Smart-UPS RT 15 kVA RM 230 V	SURT15KRMXLI	
APC Smart-UPS RT 20 kVA RM 230 V	SURT20KRMXLI	
APC Smart-UPS RT 1000 VA 230 V – Marine	SURT1000XLIM	180 V to 280 V
APC Smart-UPS RT 2200 VA 230 V – Marine	SURTD2200XLIM	180 V to 280 V
APC Smart-UPS RT 3000 VA 230 V – Marine	SURTD3000XLIM	180 V to 270V
APC Smart-UPS RT 6000 VA 230 V – Marine	SURT6000XLIM	100 7 10 2 / 0 7

¹ These voltage ranges are for operation at full load. At half load, the UPS will run at voltage levels down to 100V, but will neither start up nor charge the battery at this level. Therefore, do not attempt to run the unit at input voltages below these ranges. For example, do not attempt to use a 110 V input supply for 230 V output even at a reduced load.

AC Output

				Output	Specifica	tions				
UPS VA	1000	2000	2200	3000	5000	6000	8000	10,000	15,000	20,000
Nominal Output Voltage			Configurable for 220, 230, or 240 V Configurable 220, 230, 24 380, 400, 41							0, 240,
Output Frequency (sync to mains)				50/60 H	Iz +/- 3 Hz	user-adjus	stable +/-	0.1		
Output Voltage Distortion				<	3.0%				< 5.	.0%
Crest Factor						3:1				
Waveform Type					Sin	ne wave				
Output Power Capacity	700W	1400 W	1540 W	2100 W	3500 W	4200 W	6400 W	8000 W	12 kW	16 kW
Output Overload Rating ¹		For online operation: At overload of 105% - infinite; at overload of 125% - 1 minute; at overload of 150% - 30 seconds.								
Output Connections ²	(6) IEC	320 C13	wire (H N + G); (4) IEC 320 C13; (4) IEC 320 C19 w							

¹ When the UPS is in bypass mode, overload is limited by the external input circuit breaker that feeds the UPS.

 $^{^2}$ Wire connection "G" represents protective earth ground. lacksquare



Network Management Card 2

Smart-UPS On-Line models, 5kVA and higher, have the Network Management Card 2 with Environmental Monitoring pre-installed. This management card enables you to monitor and control an individual UPS remotely over your network.

See the *User's Guide, UPS Network Management Card 2, AP9630, AP9631* for information on how to use this management card. To obtain the latest version of this documentation:

- 1. Go to www.apc.com/site/products/index.cfm.
- 2. Click on Uninterruptible Power Supply (UPS)
- 3. Under UPS Management, click on UPS Network Management Cards.
- 4. Click on UPS Network Management Card 2 with Environmental Monitoring.
- 5. Click on the **Documentation** tab.
- 6. Download the UPS Network Management Card 2 User's Guide for the latest firmware release.

Emergency Power Off (EPO)

For 3 kVA to 20 kVA Smart-UPS On-Line models, you can connect the UPS to a central EPO switch by means of a cable from the EPO Terminal on the UPS. The system power can be disabled in an emergency by closing the switch connected to the EPO.



Note: Refer to local and national electrical codes when wiring the EPO.

The switch should be connected in a normally open switch contact. External voltage is not required; the switch is driven by 24 V internal supply. In closed condition, 4 mA of current are drawn. The EPO switch is internally powered by the UPS for use with non-powered switch circuit breakers.

The EPO circuit is considered a Class 2 circuit, (UL, CSA standards) and an SELV circuit (IEC standard). Both Class 2 and SELV circuits the EPO terminal block unless it can be confirmed that must be isolated from all primary circuitry. Do not connect any circuit to the circuit is Class 2 or SELV. If circuit standard cannot be confirmed, use a contact closure switch.

To obtain the latest versions of documentation pertaining to circuit breaker requirements and requirements for isolated circuitry for a central EPO switch:

- 1. Go to www.apc.com/site/products/index.cfm.
- 2. Click on Uninterruptible Power Supply (UPS)
- 3. Under the Network and Server category, click on Smart-UPS On-Line.
- 4. On the Smart-UPS On-Line products page, click on a Smart-UPS On-Line model name.
- 5. Download the User Manual (which also documents installation) for your Smart-UPS On-Line model

You need one of the following types of cable to connect the UPS to the EPO switch:

- CL2: Class 2 cable for general use
- CL2P: Plenum cable for use in ducts, plenums, and other spaces used for environmental air.
- CL2R: Riser cable for use in a vertical run in a floor to floor shaft.
- CLEX: Limited use cable for use in dwellings and for use in raceways.

Physical

Weights and Dimensions

UPS Cabinet	SKU	U-Space in Rack	Weight in kg	Height in mm	Width in mm	Depth in mm
APC Smart-UPS RT 1000 VA RM 230 V	SURT1000RMXLI	2 U	23.0	85	432	483
APC Smart-UPS RT 1000 VA 230 V	SURT1000XLI	2 U	23.0	432	85	483
APC Smart-UPS RT 1000 VA 230 V – Marine	SURT1000XLIM	2 U	23.0	432	85	483
APC Smart-UPS RT 2000 VA RM 230 V	SURT2000RMXLI	2 U	25.0	85	432	483
APC Smart-UPS RT 2000 VA 230 V	SURT2000XLI	2 U	25.0	432	85	483
APC Smart-UPS RT 2200 VA 230 V – Marine	SURTD2200XLIM	3 U	54.6	432	130	660
APC Smart-UPS RT 3000 VA 230 V with Pre- installed Input/Output Hardwire Kit	SURT3000XLI-ET	3 U	54.6	432	130	660
APC Smart-UPS RT 3000 VA RM 230 V	SURTD3000RMXLI	3 U	54.6	130	432	660
APC Smart-UPS RT 3000 VA 230 V	SURTD3000XLI	3 U	54.6	432	130	660
APC Smart-UPS RT 3000 VA 230 V – Marine	SURTD3000XLIM	3 U	54.6	432	130	660
APC Smart-UPS RT 5000 VA RM 230 V	SURTD5000RMXLI	3 U	54.6	130	432	660
APC Smart-UPS RT 5000 VA 230 V	SURTD5000XLI	3 U	54.6	432	130	660
APC Smart-UPS RT 5000 VA 230 V with Pre- installed Input/Output Hardwire Kit	SURTD5000XLI-ET	3 U	54.6	432	130	660

Weights and Dimensions (continued)

UPS Cabinet	SKU	U-Space in Rack	Weight in kg	Height in mm	Width in mm	Depth in mm
APC Smart-UPS RT 6000 VA RM 230 V	SURT6000RMXLI	3 U	54.6	130	432	660
APC Smart-UPS RT 6000 VA 230 V	SURT6000XLI	3 U	54.6	432	130	660
APC Smart-UPS RT 6000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT6000XLI-ET	3 U	54.6	432	130	660
APC Smart-UPS RT 6000 VA 230 V – Marine	SURT6000XLIM	3 U	54.6	432	130	660
APC Smart-UPS RT 8000 VA RM 230 V	SURT8000RMXLI	6 U	110.9	263	432	736
APC Smart-UPS RT 8000 VA 230 V	SURT8000XLI	6 U	110.9	432	263	736
APC Smart-UPS RT 10,000 VA RM 230 V	SURT10000RMXLI	6 U	110.9	263	432	736
APC Smart-UPS RT 10,000 VA 230 V	SURT10000XLI	6 U	110.9	432	263	736
APC Smart-UPS RT 15kVA RM 230 V	SURT15KRMXLI	12 U	247.73	553	432	773
APC Smart-UPS RT 20kVA RM 230 V	SURT20KRMXLI	12 U	247.73	553	432	773

Shipping Weights and Dimensions

UPS Cabinet	SKU	Weight in kg	Height in mm	Width in mm	Depth in mm
APC Smart-UPS RT 1000 VA RM 230 V	SURT1000RMXLI	27.8	286	630	594
APC Smart-UPS RT 1000 VA 230 V	SURT1000XLI	27.8	286	630	594
APC Smart-UPS RT 1000 VA 230 V – Marine	SURT1000XLIM	27.8	286	630	594
APC Smart-UPS RT 2000 VA RM 230 V	SURT2000RMXLI	29.8	286	630	594
APC Smart-UPS RT 2000 VA 230 V	SURT2000XLI	29.8	286	630	594
APC Smart-UPS RT 2200 VA 230 V – Marine	SURTD2200XLIM	63.6	347	603	980
APC Smart-UPS RT 3000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT3000XLI-ET	63.6	347	603	980
APC Smart-UPS RT 3000 VA RM 230 V	SURTD3000RMXLI	63.6	347	603	980
APC Smart-UPS RT 3000 VA 230 V	SURTD3000XLI	63.6	347	603	980
APC Smart-UPS RT 3000 VA 230 V – Marine	SURTD3000XLIM	63.6	347	603	980
APC Smart-UPS RT 5000 VA RM 230 V	SURTD5000RMXLI	63.6	347	603	980
APC Smart-UPS RT 5000 VA 230 V	SURTD5000XLI	63.6	347	603	980
APC Smart-UPS RT 5000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURTD5000XLI-ET	63.6	347	603	980
APC Smart-UPS RT 6000 VA RM 230 V	SURT6000RMXLI	63.6	347	603	980

Shipping Weights and Dimensions (continued)

UPS Cabinet	SKU	Weight in kg	Height in mm	Width in mm	Depth in mm
APC Smart-UPS RT 6000 VA 230 V	SURT6000XLI	63.6	347	603	980
APC Smart-UPS RT 6000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT6000XLI-ET	63.6	347	603	980
APC Smart-UPS RT 6000 VA 230 V – Marine	SURT6000XLIM	63.6	347	603	980
APC Smart-UPS RT 8000 VA RM 230 V	SURT8000RMXLI	129.1	552	597	991
APC Smart-UPS RT 8000 VA 230 V	SURT8000XLI	129.1	552	597	991
APC Smart-UPS RT 10,000 VA RM 230 V	SURT10000RMXLI	129.1	552	597	991
APC Smart-UPS RT 10,000 VA 230 V	SURT10000XLI	129.1	552	597	991
APC Smart-UPS RT 15kVA RM 230 V	SURT15KRMXLI	314.1	990	610	1003
APC Smart-UPS RT 20kVA RM 230 V	SURT20KRMXLI	314.2	990	610	1003

Environmental

Requirements for Operation and Storage

Model	Operating	Storage	Maximum	Maximum
	Relative	Relative	Operating	Storage
	Humidity	Humidity	Altitude	Altitude
All Smart-UPS On-line Models	0 to 95%	0 to 95%	3000 meters	15,000 meters

Model	SKU	Ambient T	Audible noise	
		Operating	Storage	at 1 m from surface of unit
APC Smart-UPS RT 1000 VA RM 230 V	SURT1000RMXLI			
APC Smart-UPS RT 1000 VA 230 V	SURT1000XLI	0 to 40 °C		50 dBA
APC Smart-UPS RT 2000 VA RM 230 V	SURT2000RMXLI		−20 to 50 °C	
APC Smart-UPS RT 2000 VA 230 V	SURT2000XLI			
APC Smart-UPS RT 1000 VA 230 V – Marine	SURT1000XLIM			
APC Smart-UPS RT 2200 VA 230 V – Marine	SURTD2200XLIM			
APC Smart-UPS RT 3000 VA 230 V – Marine	SURTD3000XLIM	0 to 55 °C ¹		1
APC Smart-UPS RT 6000 VA 230 V – Marine	SURT6000XLIM			
APC Smart-UPS RT 3000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT3000XLI-ET			
APC Smart-UPS RT 3000 VA RM 230 V	SURTD3000RMXLI			
APC Smart-UPS RT 3000 VA 230 V	SURTD3000XLI			55 dBA
APC Smart-UPS RT 5000 VA RM 230 V	SURTD5000RMXLI			
APC Smart-UPS RT 5000 VA 230 V	SURTD5000XLI		-15 to 45 °C	
APC Smart-UPS RT 5000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURTD5000XLI-ET			
APC Smart-UPS RT 6000 VA RM 230 V	SURT6000RMXLI	0 to 40 °C		
APC Smart-UPS RT 6000 VA 230 V	SURT6000XLI			
APC Smart-UPS RT 6000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT6000XLI-ET			
APC Smart-UPS RT 8000 VA RM 230 V	SURT8000RMXLI			
APC Smart-UPS RT 8000VA 230 V	SURT8000XLI			
APC Smart-UPS RT 10,000VA RM 230 V	SURT10000RMXLI			
APC Smart-UPS RT 10,000 VA 230 V	SURT10000XLI			
APC Smart-UPS RT 15 kVA RM 230 V	SURT15KRMXLI			50 dBA
APC Smart-UPS RT 20 kVA RM 230 V	SURT20KRMXLI			59 dBA
¹ For the marine models at operating temper	ratures above 40°C, the	output power mu	ist be de-rated a	t 2.5%/°C.

Heat Dissipation

Online Thermal Dissipation							
Model	SKU	BTUs per hr.					
APC Smart-UPS RT 1000 VA RM 230 V	SURT1000RMXLI	324					
APC Smart-UPS RT 1000 VA 230 V	SURT1000XLI	324					
APC Smart-UPS RT 1000 VA 230 V – Marine	SURT1000XLIM	324					
APC Smart-UPS RT 2000 VA RM 230 V	SURT2000RMXLI	543					
APC Smart-UPS RT 2000 VA 230 V	SURT2000XLI	543					
APC Smart-UPS RT 2200 VA 230 V – Marine	SURTD2200XLIM	609					
APC Smart-UPS RT 3000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT3000XLI-ET	609					
APC Smart-UPS RT 3000 VA RM 230 V	SURTD3000RMXLI	609					
APC Smart-UPS RT 3000 VA 230 V	SURTD3000XLI	609					
APC Smart-UPS RT 3000 VA 230 V – Marine	SURTD3000XLIM	609					
APC Smart-UPS RT 5000 VA RM 230 V	SURTD5000RMXLI	1057					
APC Smart-UPS RT 5000 VA 230 V	SURTD5000XLI	1057					
APC Smart-UPS RT 5000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURTD5000XLI-ET	1057					
APC Smart-UPS RT 6000 VA RM 230 V	SURT6000RMXLI	1221					
APC Smart-UPS RT 6000 VA 230 V	SURT6000XLI	1221					
APC Smart-UPS RT 6000 VA, 230 V with Pre-installed Input/Output Hardwire Kit	SURT6000XLI-ET	1221					
APC Smart-UPS RT 6000VA 230 V – Marine	SURT6000XLIM	1221					
APC Smart-UPS RT 8000 VA RM 230 V	SURT8000RMXLI	1603					
APC Smart-UPS RT 8000VA 230 V	SURT8000XLI	1603					
APC Smart-UPS RT 10,000VA RM 230 V	SURT10000RMXLI	2262					
APC Smart-UPS RT 10,000VA 230 V	SURT10000XLI	2262					
APC Smart-UPS RT 15kVA RM 230 V	SURT15KRMXLI	2800					
APC Smart-UPS RT 20kVA RM 230 V	SURT20KRMXLI	3770					

Options

Hardware Options

Smart-UPS On-Line Battery Systems

APC Smart-UPS RT 48 V Battery Pack SURT48XLBP

APC Smart-UPS RT 48 V RM Battery Pack SURT48RMXLBP

APC Smart-UPS RT 192 V Battery Pack SURT192XLBP

APC Smart-UPS RT 192 V RM Battery Pack SURT192RMXLBP

APC Smart-UPS RT 192 V RM Battery Pack 2 Rows SURT192RMXLBP2

APC Replacement Battery Cartridge #31 (replacement battery) RBC31

APC Replacement Battery Cartridge #44 (replacement battery) RBC44

UPS VA	1000	2000	2200	3000	5000	6000	8000	10,000	15,000	20,000	
Extendable Runtime Unit		XLBP or RMXLBP	SURT192XLBP or SURT192RMXLBP						SURT192RMXLBP2		
Replacement Battery Cartridge (RBC)	RBe	C31				I	RBC 44				

UPS Network Management Cards

UPS Network Management Card 2 with Environmental Monitoring

AP9631

AP9618

UPS Network Management Card with Environmental Monitoring and Out-of-Band

Management Management

UPS Network Management Card 2 AP9630

Smart-UPS On-Line Compatibility	UPS Network Management Card 2 with Environmental Monitoring	anagement Card 2 Card with Environmental Monitoring and Out of Band	
SKU	AP9631	AP9618	AP9630
SURT1000XLI	Compatible	Compatible	Compatible
SURT1000RMXLI	Compatible	Compatible	Compatible
SURT1000XLIM	Compatible	Compatible	Compatible
SURT2000XLI	Compatible	Compatible	Compatible
SURT2000RMXLI	Compatible	Compatible	Compatible
SURTD2200XLIM	Compatible	Compatible	Compatible
SURT3000XLI-ET	Compatible	Compatible	Compatible
SURTD3000XLI	Compatible	Compatible	Compatible
SURTD3000RMXLI	Compatible	Compatible	Compatible
SURTD3000XLIM	Compatible	Compatible	Compatible
SURTD5000XLI-ET	Compatible	Compatible	Compatible
SURTD5000XLI	Pre-installed	Compatible	Compatible
SURTD5000RMXLI	Pre-installed	Compatible	Compatible
SURT6000XLI	Pre-installed	Compatible	Compatible
SURT6000XLI-ET	Compatible	Compatible	Compatible
SURT6000RMXLI	Pre-installed	Compatible	Compatible
SURT6000XLIM	Compatible	Compatible	Compatible
SURT8000XLI	Pre-installed	Compatible	Compatible
SURT8000RMXLI	Pre-installed	Compatible	Compatible
SURT10000XLI	Pre-installed	Compatible	Compatible
SURT10000RMXLI	Pre-installed	Compatible	Compatible
SURT15KRMXLI	Pre-installed	Compatible	Compatible
SURT20KRMXLI	Pre-installed	Compatible	Compatible

Additional Management Cards and Options

Legacy Communications SmartSlot CardAP9620Relay I/O SmartSlot CardAP9610Interface Expander with 2 UPS Communication Cables SmartSlot CardAP9607CBSmartSlot Expansion ChassisAP9600APC SmartSlot Triple Chassis BlackAP9604BLKOut-of-Band Management SmartSlot CardAP9608

Smart-UPS On-Line Compatibility	Legacy Communica- tions Smart- Slot Card	Relay I/O Smart- Slot Card	Interface Expander with 2 UPS Communication Cables SmartSlot Card	SmartSlot Expansion Chassis	APC SmartSlot Triple Chassis Black	Out-of-Band Management SmartSlot Card		
SKU	AP9620	AP9610	AP9607CB	AP9600	AP9604BLK	AP9608		
SURT1000XLI	not compatible		1	compatible	2			
SURT1000RMXLI	not compatible			compatible	;			
SURT1000XLIM	not compatible			compatible	;			
SURT2000XLI	not compatible			compatible	;			
SURT2000RMXLI	not compatible			compatible	;			
SURTD2200XLIM	compatible			not compatib	ole			
SURT3000XLI-ET	not compatible			compatible	;			
SURTD3000XLI	compatible		not compatible					
SURTD3000RMXLI	compatible			not compatib	ole			
SURTD3000XLIM	compatible			not compatib	ole			
SURTD5000XLI-ET	compatible			not compatib	ole			
SURTD5000XLI	compatible			not compatib	ole			
SURTD5000RMXLI	compatible			not compatib	ole			
SURT6000XLI	not compatible			compatible	2			
SURT6000XLI-ET	not compatible			compatible	2			
SURT6000RMXLI	not compatible			compatible				
SURT6000XLIM	not compatible	compatible						
SURT8000XLI	not compatible	compatible						
SURT8000RMXLI	not compatible	compatible						
SURT10000XLI	not compatible	compatible						
SURT10000RMXLI	not compatible	compatible						
SURT15KRMXLI	not compatible			compatible	2			
SURT20KRMXLI	not compatible		compatible					

Interface and Extension Cables

UPS Communications Cable Simple Signaling	940-0020
UPS Communication Cable Smart Signaling	940-0024
UPS Communications Cable Smart Signaling 4.5 m	AP9804
5m Extension Cable for use with UPS communications cable	AP9815
UNIX Basic Signaling Cable	AP9823
Isolate Serial Extension Cable	AP9825
UPS Extension Cable Isolate 15 m	AP9825I
Vendor-specific UPS Communication Cable for IBM AS/400	940-0006
Vendor-specific Cisco Unity Express UPS Simple Signaling Cable	AP9840
APC Smart-UPS RT 15 ft Extension Cable for 192Vdc External Battery Packs	SURT008
APC Smart-UPS RT 3.5 m Extension Cable for XLBP2 192 Vdc External Battery Packs	SURT019

Mounting Rails

APC Smart-UPS/Smart-UPS RT Two-Post Rail Kit	AP9625
APC Smart-UPS RT 19-inch Rail Kit	SURTRK
APC Smart-UPS RT 19-inch Rail Kit for Smart-UPS RT 3/5/6/8/10 kVA	SURTRK2
APC Smart-UPS RT 19-inch Rail Kit for Smart-UPS RT 15 and 20 kVA	SURTRK4

UPS VA	1000	2000	2200	3000	5000	6000	8000	10,000	15,000	20,000
Optional Rail Kit	-	625 or RTRK			AP9625 (or SURTI	RK2		SUR	TRK4

Service Bypass Panels/PDUs

APC Service Bypass PDU, 230 V 10A, BBM, with (6) IEC C13	SBP1500RMI
APC Service Bypass Panel- 100-240 V; 30 A; BBM; Hardwire input/output	SBP3000
APC Service Bypass PDU, 230 V 16 A Hardwire	SBP3000RMHW
APC Service Bypass PDU, 230V 16 A, BBM, with (6) IEC C13 and (1) C19	SBP3000RMI
APC Service Bypass Panel- 230 V; 50 A; BBM; IEC 320 C20/Hardwire input; IEC-320 Output- (2) C19 (8) C13	SBP5000RMI2U
APC Service Bypass Panel- 200/208/240 V; 100 A; MBB; Hardwire input/output	SBP16KP
APC Service Bypass Panel- 230 V; 100 A; MBB; Hardwire input; IEC 320 output- (8) C13 (2) C19	SBP10KRMI4U
APC Service Bypass Panel- 230 V; 100 A; MBB; Hardwire input; (3) 30 A Hardwire Output	SBP16KRMI4U
APC Service Bypass Panel 200/208/230/240 V 125 A; Hardwire input/output	SBP20KP
APC Service Bypass Panel 230 V 125 A Hardwire input IEC 320 output (8) C19	SBP20KRMI4U

Transformers

APC Smart-UPS RT 3000 VA 230 V Isolation Transformer SURT001

APC Smart-UPS RT 5000 VA 230 V Isolation Transformer SURT002

APC WW 10 kVA Isolation Transformer APTF10KW01

APC WW 20 kVA Isolation Transformer APTF20KW01

Smart-UPS On-Line Compatibility	APC WW 10 kVA Isolation Transformer	APC WW 20 kVA Isolation Transformer APC Smart-UPS RT 3000 VA 230 V Isolation Transformer		APC Smart-UPS RT 5000 VA 230 V Isolation Transformer	
SKU	APTF10KW01	APTF20KW01	SURT001	SURT002	
SURT1000XLI			compatible		
SURT1000RMXLI			compatible		
SURT1000XLIM			compatible		
SURT2000XLI			compatible		
SURT2000RMXLI			compatible		
SURTD2200XLIM			compatible		
SURT3000XLI-ET				compatible	
SURTD3000XLI			compatible		
SURTD3000RMXLI			compatible		
SURTD3000XLIM			compatible		
SURTD5000XLI-ET				compatible	
SURTD5000XLI				compatible when used with SURT007	
SURTD5000RMXLI				compatible when used with SURT007 and SURTRK2	
SURT6000XLI					
SURT6000XLI-ET					
SURT6000RMXLI					
SURT6000XLIM					
SURT8000XLI SURT8000RMXLI	compatible compatible				
SURT10000XLI	compatible	compatible			
SURT10000RMXLI	compatible	compatible			
SURT15KRMXLI		compatible			
SURT20KRMXLI		compatible			

Rack-Mount Transfer Switches

Rack ATS, 10 A, 230 V; 12 A, 208 V, C14 In, (12) C13 Out

AP7721

Rack ATS, 16 A, 230 V, (2) IEC 309 In, (1) IEC 309 Out

AP7722

Rack ATS, 20 A, 208 V; 16 A, 230 V, C20 In, (8) C13 (1) C19 Out AP7723

Rack ATS, 2 U 230 V, 32 A, IEC 309-32A In, (16) C13, (2) C19 Out AP7724

Accessories

SURT Equipment Cart SURT013

APC Smart-UPS RT 3/5/6 kVA Input/Output Hardwire Kit SURT007

Smart-UPS On-Line Compatibility	SURT Equipment Cart	APC Smart-UPS RT 3/5/6 kVA Input/Output Hardwire Kit SURT007			
SKU	SURTT013				
SURT1000XLI					
SURT1000RMXLI					
SURT1000XLIM					
SURT2000XLI					
SURT2000RMXLI					
SURTD2200XLIM		compatible			
SURT3000XLI-ET		pre-installed			
SURTD3000XLI		compatible			
SURTD3000RMXLI		compatible			
SURTD3000XLIM		compatible			
SURTD5000XLI-ET		pre-installed			
SURTD5000XLI		compatible			
SURTD5000RMXLI		compatible			
SURT6000XLI		compatible			
SURT6000XLI-ET		pre-installed			
SURT6000RMXLI		compatible			
SURT6000XLIM		compatible			
SURT8000XLI	compatible				
SURT8000RMXLI					
SURT10000XLI	compatible				
SURT10000RMXLI					
SURT15KRMXLI	compatible				
SURT20KRMXLI	compatible				

Software Options

PowerChute Business Edition (PCBE) 5 Node

SFPCBE901

PowerChuteTM Network Shutdown (PCNS

SFPCNS224

(provided with UPS Network Management Card 2 with Environmental Monitoring (AP9631)

UPS VA	1000	2000	2200	3000	5000	6000	8000	10,000	15,000	20,000
Compatible Software	SFPCBE901 (PCBE)			SFPCNS224 (PCNS)						



Note: All Smart-UPS On-Line Rack-Mount models are also certified for use with StruxureWare $^{\text{TM}}$ management software.

StruxureWare Central Basic	AP9465
StruxureWare Central Standard	AP9470
StruxureWare Central Enterprise	AP9475
StruxureWare Central Standard Management Pack	AP9480
StruxureWare Central Basic Management Pack	AP9482
StruxureWare Central Enterprise Management Pack	AP9485

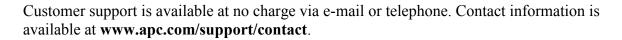
Limited Warranty

American Power Conversion (APC) warrants its products to be free from defects in materials and workmanship for a period of two years from the date of purchase, except in India where the period is one year for battery module(s). Its obligation under this warranty is limited to repairing or replacing, at its own sole option, any such defective products. To obtain service under warranty you must obtain a Returned Material Authorization (RMA) number from customer support (see Service in the *User Manual* for your Smart-UPS On-Line model). Products must be returned with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment that has been damaged by accident, negligence, or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser who must have properly registered the product within 10 days of purchase.

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Worldwide Customer Support



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